

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start		Rating **	A	Issue No.	<b>4</b>
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0013_01_f_2016_4				
Comment Code					
Inspector Comment					
Merced County has a copy of the Operation and Maintenance Manual in their Office.					

No Photos

LM Start		Rating **	A	Issue No.	<b>5</b>
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0013_01_f_2016_5				
Comment Code					
Inspector Comment					
Merced Streams Group has emergency supplies and equipment on hand.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0013_01_f_2016_6				
Comment Code					
Inspector Comment					
Merced Streams Group are Trained and prepared for Flood Fight.					

No Photos

LM Start	0.01	Rating **	M	Issue No.	7
LM End	0.62	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.314745 °	37.323558 °	
			-120.396427 °	-120.396610 °	
DWR ID	DWR_NA0013_01_s_2017_7				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Crown roadway should be free of vegetation.					

Photo 1 of 1 : SP\_2017\_NA0013\_331\_7\_20170502\_00006.jpg



Looking back upstream at the weed growth on the crown roadway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	2
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314745 °	37.337110 °
				-120.396427 °	-120.396522 °
DWR ID	DWR_NA0013_01_s _ 2017_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Spray or mow the unsatisfactory tall weed from the landside slope and shoulder.					

Photo 1 of 1 : SP\_2017\_NA0013\_331\_2\_20170502\_00005.jpg



Standing on the landside at levee mile 0.01 looking back upstream at the unsatisfactory weed growth.

LM Start	0.01	Rating **	U	Issue No.	8
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.314745 °	37.337110 °
				-120.396427 °	-120.396522 °
DWR ID	DWR_NA0013_01_s _ 2017_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Spray or mow the tall weeds from the waterside levee slope.					

Photo 1 of 1 : SP\_2017\_NA0013\_331\_8\_20170502\_00004.jpg



Standing on the waterside slope looking upstream at the unsatisfactory tall weed growth.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.28	Rating **	M	Issue No.	10
LM End	1.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.318682 °	37.337110 °
				-120.396615 °	-120.396522 °
DWR ID	DWR_NA0013_01_s _ 2017_10				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Regrade and add gravel to the section listed for proper drainage.					

No Photos

LM Start	0.71	Rating **	M	Issue No.	11
LM End	1.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.324947 °	37.329782 °
				-120.396650 °	-120.396458 °
DWR ID	DWR_NA0013_01_s _ 2017_11				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown roadway shall be free of vegetation.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.05	Rating **	U	Issue No.	13
LM End	1.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.329782 °	37.337110 °
				-120.396458 °	-120.396522 °
DWR ID	DWR_NA0013_01_s_2017_13				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove the unwanted debre from the crown roadway.					

Photo 1 of 1 : SP\_2017\_NA0013\_331\_13\_20170502\_00010.jpg



Looking back upstream from levee mile 1.05-1.61 unwanted weeds present on the crown roadway.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	11
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337043 °	37.327915 °
				-120.387333 °	-120.396105 °
DWR ID	DWR_NA0013_02_s_2017_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Spray mow the unwanted weeds from the landside levee section.					

Photo 1 of 1 : SP\_2017\_NA0013\_332\_11\_20170502\_00031.jpg



Looking downstream from levee mile 0.00 unwanted tall weeds on the landside slope and shoulder.

LM Start	0.00	Rating **	U	Issue No.	12
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.337043 °	37.314609 °
				-120.387333 °	-120.395807 °
DWR ID	DWR_NA0013_02_s_2017_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Spray and mow the wild vegetation on the waterside levee slope and shoulder.					

Photo 1 of 1 : SP\_2017\_NA0013\_332\_12\_20170510\_00034.jpg



Looking upstream from the waterside levee slope Black Rascal Diversion Canal, tall unwanted weeds present along the levee slope and shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.29	Rating **	A/W	Issue No.	26 (cont)
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.336006 °	37.336006 °
				-120.392011 °	-120.392011 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50156 DS_ID:23053 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.29)]. FS Date: 8/23/2016					

Photo 3 of 3 : UCIP\_SP\_2017\_50156\_35246.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

LM Start	0.54	Rating **	M	Issue No.	27
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20946 DS_ID:23054 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_20946\_35266.jpg



WS view: cobble spillway and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.54	Rating **	M	Issue No.	27 (cont)
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.333180 °	37.333180 °
				-120.394069 °	-120.394069 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20946 DS_ID:23054 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_20946\_35265.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not properly closed.

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_20946\_35264.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.62	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.331990 °	37.330732 °
				-120.394108 °	-120.394970 °
DWR ID	DWR_NA0013_02_s _ 2017_13				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep the crown roadway free of vegetgation.					

No Photos

LM Start	0.65	Rating **	M	Issue No.	14
LM End	0.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.331592 °	37.328082 °
				-120.394317 °	-120.396098 °
DWR ID	DWR_NA0013_02_s _ 2017_14				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.74	Rating **	M	Issue No.	28 (cont)	
LM End	0.74	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.330525 °		37.330525 °
				-120.395132 °		-120.395132 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20992 DS_ID:23055 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it needs cleaning.- half of intet pipe burried. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_20992\_35366.jpg



LS view: concrete headwall and CM pipe. Half of intet pipe burried.

LM Start	0.90	Rating **	A/W	Issue No.	29
LM End	0.90	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328283 °	37.328283 °
				-120.396074 °	-120.396074 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20965					
DS_ID:23056					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - working during field inspection.- vegetation on drainage ditch/channel					
FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_20965\_35292.jpg



WS view: two 60" CMPs, flap gates, and headwall on channel bank.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.90	Rating **	A/W	Issue No.	29 (cont)
LM End	0.90	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328283 °	37.328283 °
				-120.396074 °	-120.396074 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20965					
DS_ID:23056					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - working during field inspection.- vegetation on drainage ditch/channel					
FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

LM Start	<b>0.90</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP\_SP\_2017\_20965\_35291.jpg



LS view: headwall on levee toe. Green vegetation in drainage channel.

Photo 3 of 3 : UCIP\_SP\_2017\_20965\_35290.jpg



LS view: two CM pipes and U typed headwall on levee toe. Green vegetation in drainage channel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.91	Rating **	A/W	Issue No.	30
LM End	0.91	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328267 °	37.328267 °
				-120.396084 °	-120.396084 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20983					
DS_ID:23080					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: It was working during field inspection. Dense vegetation in drainage ditch.					
FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : UCIP\_SP\_2017\_20983\_35302.jpg



WS view: two CMPs with flap gate, concrete spillway and channel on waterside.

Photo 2 of 3 : UCIP\_SP\_2017\_20983\_35301.jpg



LS view: U typed concrete headwall, two CMPs in drainage ditch. Dense vegetation in drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.91	Rating **	A/W	Issue No.	30 (cont)
LM End	0.91	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.328267 °	37.328267 °
				-120.396084 °	-120.396084 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20983					
DS_ID:23080					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: It was working during field inspection. Dense vegetation in drainage ditch.					
FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_20983\_35300.jpg



LS view: concrete headwall in drainage ditch. Dense vegetation in drainage ditch.

LM Start	0.97	Rating **	M	Issue No.	15
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.327308 °	37.327308 °
				-120.396078 °	-120.396078 °
DWR ID	DWR_NA0013_02_s_2017_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.10	Rating **	M	Issue No.	16
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.325487 °	37.325487 °
				-120.396052 °	-120.396052 °
DWR ID	DWR_NA0013_02_s_2017_16				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	1.30	Rating **	A/W	Issue No.	31
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.322499 °	37.322499 °
				-120.396045 °	-120.396045 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20984					
DS_ID:23057					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - working during field inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 10.0 feet below the crown, concrete headwall, flap					
gate, and concrete grouted cobble spillway on the waterward toe,					
concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_20984\_35305.jpg



WS view: U type concrete headwall and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.30	Rating **	A/W	Issue No.	31 (cont)
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.322499 °	37.322499 °
				-120.396045 °	-120.396045 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20984					
DS_ID:23057					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - working during field inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_20984\_35304.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. It was working during field inspection.

LM Start	<b>1.30</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>1.30</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_20984\_35303.jpg



LS view: concrete headwall on levee toe and drainage ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.62	Rating **	M	Issue No.	32
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.318015 °	37.318015 °
				-120.395738 °	-120.395738 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42993 DS_ID:23058 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on LS FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_42993\_35310.jpg



WS view: overview of outlet area and channel. Debris and vegetations on spillway.

Photo 2 of 3 : UCIP\_SP\_2017\_42993\_35309.jpg



WS view: U typed concrete headwall, CM pipe and flap gate. Vegetation and debris need to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

Photo 3 of 3 : UCIP\_SP\_2017\_42993\_35312.jpg

LS view: concrete headwall and CM pipe. Inlet needs cleaning. Part of inlet pipe buried.

Photo 1 of 1 : SP\_2017\_NA0013\_332\_17\_20170510\_00036.jpg



Looking downstream from levee mile 1.62 to 1.85 crown roadway completely overgrown with vegetation.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.63	Rating **	U	Issue No.	18
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.317847 °	37.314609 °
				-120.395722 °	-120.395807 °
DWR ID	DWR_NA0013_02_s_2017_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds on the slope and toe.					

Photo 1 of 1 : SP\_2017\_NA0013\_332\_18\_20170510\_00037.jpg



Looking downstream from levee mile 1.63 landside slope and shoulder covered with wild weeds. To levee mile 1.85.

LM Start	1.63	Rating **	M	Issue No.	9
LM End	1.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.317758 °	37.317758 °
				-120.395750 °	-120.395750 °
DWR ID	DWR_NA0013_02_f_2016_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Take out this walnut tree from the landside shoulder.					

Photo 1 of 1 : SP\_2017\_NA0013\_332\_9\_20170502\_00033.jpg



Unwanted nut tree on the landside shoulder levee mile 1.63.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	13
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257775 °	37.273008 °
				-120.288640 °	-120.280312 °
DWR ID	DWR_NA0013_03_s_2017_13				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Unsatisfactory wild growth of weeds present on the crown roadway. The crown roadway should be free of vegetation.					

Photo 1 of 1 : SP\_2017\_NA0013\_333\_13\_20170519\_00023.jpg



Owens Creek looking upstream from levee mile 0.00, wild weeds has completely blocked the view of the levee section.

LM Start	0.00	Rating **	U	Issue No.	12
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.257775 °	37.273553 °
				-120.288640 °	-120.278038 °
DWR ID	DWR_NA0013_03_s_2017_12				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Weeds are taller than 5 foot. Spray or mow to control growth.					

Photo 1 of 1 : SP\_2017\_NA0013\_333\_12\_20170519\_00025.jpg



Owens Creek levee mile 0.00 -1.40, unsatisfactory growth of weeds has completely taken over the levee section.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.19	Rating **	M	Issue No.	14 (cont)
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.260355 °	37.260355 °
				-120.288517 °	-120.288517 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41815 DS_ID:23060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - more than a half of inet pipe burried on LS. - needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_41815\_35531.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning and silt removed.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.39	Rating **	A/W	Issue No.	15
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263182 °	37.263182 °
				-120.288239 °	-120.288239 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50144  
DS\_ID:23061  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013: Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to be abandoned properly. (P. Amatya - UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.4)].  
FS Date: 9/1/2016

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>15 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_50144\_35422.jpg



WS view: U typed concrete headwall, cobble spillway, and channel on waterside.

Photo 2 of 3 : UCIP\_SP\_2017\_50144\_35421.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Damaged flap gate.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	







**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.58	Rating **	A/W	Issue No.	16 (cont)
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265894 °	37.265894 °
				-120.288295 °	-120.288295 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50149					
DS_ID:23062					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/7/2016					

Photo 3 of 3 : UCIP\_SP\_2017\_50149\_35537.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

LM Start	0.79	Rating **	A/W	Issue No.	17
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50151 DS_ID:23063 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50151\_35539.jpg



WS view: overview of spillway/outlet area on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.79	Rating **	A/W	Issue No.	17 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268420 °	37.268420 °
				-120.286231 °	-120.286231 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:50151  
DS\_ID:23063  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P. Amatya - UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)  
FS Date: 9/7/2016

LM Start	<b>0.79</b>	Rating **	A/W	Issue No.	<b>17 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_50151\_35538.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3 : UCIP\_SP\_2017\_50151\_35541.jpg



LS view: concrete headwall and CM pipe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.15	Rating **	M	Issue No.	19 (cont)
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272193 °	37.272193 °
				-120.281805 °	-120.281805 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21063 DS_ID:23065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

LM Start	1.15	Rating **	M	Issue No.	19 (cont)
LM End	1.15	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_21063\_35501.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Photo 3 of 3 : UCIP\_SP\_2017\_21063\_35500.jpg



LS view: closer view of CM pipe. Inlet needs cleaning &amp; clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.23	Rating **	M	Issue No.	7
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272628 °	37.272927 °
				-120.280398 °	-120.280302 °
DWR ID	DWR_NA0013_03_f_2016_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Control the rodents along the landside slope from levee mile 1.23 to 1.25.					

No Photos

LM Start	1.27	Rating **	M	Issue No.	20
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21064 DS_ID:23066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_21064\_35506.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope and spillway.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.27	Rating **	M	Issue No.	20 (cont)
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273082 °	37.273082 °
				-120.280288 °	-120.280288 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21064					
DS_ID:23066					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962					
FS Date: 9/17/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_21064\_35505.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

LM Start	1.27	Rating **	M	Issue No.	20 (cont)
LM End	1.27	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_21064\_35504.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	11
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273308 °	37.257383 °
				-120.277955 °	-120.288233 °
DWR ID	DWR_NA0013_04_s_2017_11				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth other than native grasses from the levee slope and berm.					

Photo 1 of 1 : SP\_2017\_NA0013\_334\_11\_20170519\_00028.jpg



Owens Creek Unit 4 looking upstream the unsatisfactory wild weed growth has completely block the view of the levee section.

LM Start	0.03	Rating **	U	Issue No.	12
LM End	1.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273302 °	37.257383 °
				-120.278158 °	-120.288233 °
DWR ID	DWR_NA0013_04_s_2017_12				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth other than native grasses from the levee section.					

Photo 1 of 1 : SP\_2017\_NA0013\_334\_12\_20170519\_00029.jpg



Owens Creek Unit 4 looking at the waterside levee sloped downstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.04	Rating **	U	Issue No.	13
LM End	1.41	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.273292°	37.257383°
				-120.278337°	-120.288233°
DWR ID	DWR_NA0013_04_s_2017_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The crown roadway must be free of vegetation.					

Photo 1 of 2 : SP\_2017\_NA0013\_334\_13\_20170519\_00030.jpg



Owens Creek Unit 4 levee mile 0.04 looking downstream towards levee mile 1.41 the wild weeds has completely covered the levee crown roadway.

LM Start	<b>0.04</b>	Rating **	U	Issue No.	<b>13 (cont)</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2017\_NA0013\_334\_13\_20170519\_00031.jpg



Owens Creek Unit 4 looking upstream from levee mile 1.41, the weeds are taller than 8.0 foot.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.11	Rating **	M	Issue No.	14
LM End	0.11	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.273295 °	37.273295 °
				-120.279673 °	-120.279673 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42991 DS_ID:23068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

LM Start	0.11	Rating **	M	Issue No.	14 (cont)
LM End	0.11	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : UCIP\_SP\_2017\_42991\_35751.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2017\_42991\_35750.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation and silt need to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.11	Rating **	M	Issue No.	14 (cont)	
LM End	0.11	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.273295 °	37.273295 °	
				-120.279673 °	-120.279673 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42991 DS_ID:23068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_42991\_35749.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

LM Start	0.18	Rating **	M	Issue No.	15
LM End	0.18	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50146 DS_ID:23069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50146\_35748.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.18	Rating **	M	Issue No.	15 (cont)
LM End	0.18	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.272437 °	37.272437 °
				-120.280260 °	-120.280260 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50146  
DS\_ID:23069  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya - UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)  
FS Date: 9/7/2016

LM Start	<b>0.18</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP\_SP\_2017\_50146\_35747.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Photo 3 of 3 : UCIP\_SP\_2017\_50146\_35746.jpg



LS view: inside view of CM pipe. Inlet pipe needs clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.19	Rating **	M	Issue No.	10
LM End	0.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.272373 °	37.267383 °
				-120.280392 °	-120.286598 °
DWR ID	DWR_NA0013_04_f_2016_10				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No rodent or burrows found in this area listed.					

No Photos

LM Start	0.32	Rating **	M	Issue No.	16
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271495 °	37.271495 °
				-120.282452 °	-120.282452 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50154 DS_ID:23070 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50154\_35608.jpg



WS view: Dense vegetation on levee slope and spillway.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.32	Rating **	M	Issue No.	16 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.271495 °	37.271495 °
				-120.282452 °	-120.282452 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50154  
DS\_ID:23070  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)  
FS Date: 9/7/2016

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_50154\_35607.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

Photo 3 of 3 : UCIP\_SP\_2017\_50154\_35606.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.45	Rating **	A/W	Issue No.	17
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.270318 °	37.270318 °
				-120.284222 °	-120.284222 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50148  
DS\_ID:23071  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)  
FS Date: 9/7/2016

LM Start	<b>0.45</b>	Rating **	A/W	Issue No.	<b>17 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_50148\_35613.jpg



WS view: Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2017\_50148\_35612.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.45	Rating **	A/W	Issue No.	17 (cont)	
LM End	0.45	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.270318 °	37.270318 °	
				-120.284222 °	-120.284222 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50148						
DS_ID:23071						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)						
FS Date: 9/7/2016						

Photo 3 of 3 : UCIP\_SP\_2017\_50148\_35611.jpg



LS view: concrete headwall and CM pipe.

LM Start	0.58	Rating **	M	Issue No.	18
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.268705 °	37.268705 °
				-120.285546 °	-120.285546 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50155 DS_ID:23072 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50155\_35642.jpg



WS view: Dense vegetation on levee slope and spillway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.58	Rating **	M	Issue No.	18 (cont)	
LM End	0.58	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.268705 °		37.268705 °
				-120.285546 °		-120.285546 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50155						
DS_ID:23072						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)						
FS Date: 9/7/2016						

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_50155\_35641.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3 : UCIP\_SP\_2017\_50155\_35640.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.81	Rating **	M	Issue No.	19
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.265948 °	37.265948 °
				-120.287790 °	-120.287790 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21126 DS_ID:23073 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013					

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>19 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_21126\_35652.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2017\_21126\_35651.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.81	Rating **	M	Issue No.	19 (cont)	
LM End	0.81	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.265948 °	37.265948 °	
				-120.287790 °	-120.287790 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:21126						
DS_ID:23073						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962						
FS Date: 9/17/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_21126\_35654.jpg



LS view: concrete headwall and CM pipe. Drain pipe was working during field survey.

LM Start	1.01	Rating **	A/W	Issue No.	20
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263139 °	37.263139 °
				-120.287799 °	-120.287799 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21127					
DS_ID:23074					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - concrete spillway on waterside.- drainage was working during field survey.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_21127\_35657.jpg



WS view: U typed concrete headwall and channel on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.01	Rating **	A/W	Issue No.	20 (cont)
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.263139 °	37.263139 °
				-120.287799 °	-120.287799 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21127					
DS_ID:23074					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: - concrete spillway on waterside.- drainage was working during field survey.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

LM Start	<b>1.01</b>	Rating **	A/W	Issue No.	<b>20 (cont)</b>
LM End	<b>1.01</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_21127\_35656.jpg



WS view: concrete headwall and concrete spillway on waterside.

Photo 3 of 3 : UCIP\_SP\_2017\_21127\_35655.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Drainage was working during survey.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.08	Rating **	M	Issue No.	21
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21210 DS_ID:23075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013					

LM Start	<b>1.08</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_21210\_35709.jpg



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3 : UCIP\_SP\_2017\_21210\_35708.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Spillway needs to be cleared.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.08	Rating **	M	Issue No.	21 (cont)
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.262207 °	37.262207 °
				-120.288149 °	-120.288149 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21210					
DS_ID:23075					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)					
FS Date: 9/17/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_21210\_35707.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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